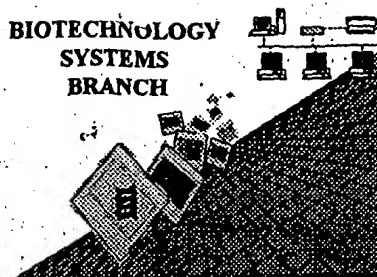


RAW SEQUENCE LISTING **ERROR REPORT**

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/808,832

Source: OIPE

Date Processed by STIC: 3/30/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/808,832

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped " down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223>**
sections for Artificial or Unknown sequences.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) **(2) INFORMATION FOR SEQ ID NO:X:**
 (i) **SEQUENCE CHARACTERISTICS:**(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (xi) **SEQUENCE DESCRIPTION:SEQ ID NO:X:**
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) **<210> sequence id number**
 <400> sequence id number
 000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"
 Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/808,832

DATE: 03/30/2001
 TIME: 15:15:26

pp 1-5

Input Set : A:\PTO.txt
 Output Set: N:\CRF3\03302001\I808832.raw

Does Not Comply
 Corrected Diskette Needed

3 <110> APPLICANT: DuPont Pharmaceuticals Company
 5 <120> TITLE OF INVENTION: Peptidase-cleavable, targeted antineoplastic drugs and their therapeutic

6 use
 8 <130> FILE REFERENCE: PH-7134
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/808,832
 C--> 10 <141> CURRENT FILING DATE: 2001-03-15
 10 <150> PRIOR APPLICATION NUMBER: 60/189,387
 11 <151> PRIOR FILING DATE: 2000-03-15
 13 <160> NUMBER OF SEQ ID NOS: 210
 15 <170> SOFTWARE: PatentIn version 3.0
 17 <210> SEQ ID NO: 1

18 <211> LENGTH: 5
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: no comment
 25 <220> FEATURE:
 26 <221> NAME/KEY: MOD_RES
 27 <222> LOCATION: (1)..(1)
 28 <223> OTHER INFORMATION: 4-methoxy-benzenesulfonyl-beta-alanine
 31 <220> FEATURE:
 32 <221> NAME/KEY: MOD_RES
 33 <222> LOCATION: (3)..(3)
 34 <223> OTHER INFORMATION: homophenylalanine
 37 <400> SEQUENCE: 1

39 Xaa Gly Xaa Tyr Leu
 40 1 5

42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 5
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Artificial
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: no comment
 50 <220> FEATURE:
 51 <221> NAME/KEY: MOD_RES
 52 <222> LOCATION: (1)..(1)
 53 <223> OTHER INFORMATION: 1,2-C6H4(CO)2-histidine
 56 <220> FEATURE:
 57 <221> NAME/KEY: MOD_RES
 58 <222> LOCATION: (3)..(3)
 59 <223> OTHER INFORMATION: homophenylalanine
 62 <400> SEQUENCE: 2

64 Xaa Gly Xaa Tyr Leu
 65 1 5
 67 <210> SEQ ID NO: 3
 68 <211> LENGTH: 5
 69 <212> TYPE: PRT

per 1.823 of Sequence Rules, valid response
 is
 Artificial Sequence
 give source of
 genetic material - see item 12 on Error
 Summary
 sheet

RAW SEQUENCE LISTING

DATE: 03/30/2001

PATENT APPLICATION: US/09/808,832

TIME: 15:15:26

Input Set : A:\PTO.txt

Output Set: N:\CRF3\03302001\I808832.raw

70 <213> ORGANISM: Artificial
72 <220> FEATURE:
73 <223> OTHER INFORMATION: no comment
75 <220> FEATURE:
76 <221> NAME/KEY: MOD_RES
77 <222> LOCATION: (1)..(1)
78 <223> OTHER INFORMATION: acetyl-proline
81 <400> SEQUENCE: 3
OK 83 Xaa Leu Gly Leu Leu
84 1 5
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 5
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial
91 <220> FEATURE:
92 <223> OTHER INFORMATION: no comment
94 <220> FEATURE:
95 <221> NAME/KEY: MOD_RES
96 <222> LOCATION: (1)..(1)
97 <223> OTHER INFORMATION: acetyl-proline
100 <400> SEQUENCE: 4
OK 102 Xaa Leu Gly Leu Leu
103 1 5
105 <210> SEQ ID NO: 5
106 <211> LENGTH: 5
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial
110 <220> FEATURE:
111 <223> OTHER INFORMATION: no comment
113 <220> FEATURE:
114 <221> NAME/KEY: MOD_RES
115 <222> LOCATION: (2)..(2)
116 <223> OTHER INFORMATION: beta alanine
119 <220> FEATURE:
120 <221> NAME/KEY: MOD_RES
121 <222> LOCATION: (1)..(1)
122 <223> OTHER INFORMATION: acetyl-proline
125 <400> SEQUENCE: 5
OK 127 Xaa Xaa Gly Leu Leu
128 1 5
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 5
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial
135 <220> FEATURE:
136 <223> OTHER INFORMATION: no comment
138 <220> FEATURE:
139 <221> NAME/KEY: MOD_RES
140 <222> LOCATION: (2)..(2)

RAW SEQUENCE LISTING

DATE: 03/30/2001

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Input Set : A:\PTO.txt

Output Set: N:\CRF3\03302001\I808832.raw

141 <223> OTHER INFORMATION: 4-aminobutyric acid

144 <220> FEATURE:

145 <221> NAME/KEY: MOD_RES

146 <222> LOCATION: (1)..(1)

147 <223> OTHER INFORMATION: acetyl-proline

150 <400> SEQUENCE: 6

OK 152 Xaa Xaa Gly Leu Leu

153 1 5

155 <210> SEQ ID NO: 7

156 <211> LENGTH: 5

157 <212> TYPE: PRT

158 <213> ORGANISM: Artificial

160 <220> FEATURE:

161 <223> OTHER INFORMATION: no comment

163 <220> FEATURE:

164 <221> NAME/KEY: MOD_RES

165 <222> LOCATION: (2)..(2)

166 <223> OTHER INFORMATION: cyclohexylalanine

169 <220> FEATURE:

170 <221> NAME/KEY: MOD_RES

171 <222> LOCATION: (1)..(1)

172 <223> OTHER INFORMATION: acetyl-proline

175 <400> SEQUENCE: 7

OK 177 Xaa Xaa Gly Leu Leu

178 1 5

180 <210> SEQ ID NO: 8

181 <211> LENGTH: 5

182 <212> TYPE: PRT

183 <213> ORGANISM: Artificial

185 <220> FEATURE:

186 <223> OTHER INFORMATION: no comment

188 <400> SEQUENCE: 8

190 Pro Leu Gly Leu Leu

191 1 5

193 <210> SEQ ID NO: 9

194 <211> LENGTH: 5

195 <212> TYPE: PRT

196 <213> ORGANISM: Artificial

198 <220> FEATURE:

199 <223> OTHER INFORMATION: no comment

201 <220> FEATURE:

202 <221> NAME/KEY: MOD_RES

203 <222> LOCATION: (1)..(1)

204 <223> OTHER INFORMATION: MeOCH₂CH₂OCH₂(=O)-proline

207 <400> SEQUENCE: 9

OK 209 Xaa Leu Gly Leu Leu

210 1 5

212 <210> SEQ ID NO: 10

213 <211> LENGTH: 5

RAW SEQUENCE LISTING
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DATE: 03/30/2001
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Input Set : A:\PTO.txt
Output Set: N:\CRF3\03302001\I808832.raw

214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial
217 <220> FEATURE:
218 <223> OTHER INFORMATION: no comment
220 <220> FEATURE:
221 <221> NAME/KEY: MOD_RES
222 <222> LOCATION: (1)..(1)
223 <223> OTHER INFORMATION: MeOCH₂CH₂OCH₂CH₂OCH₂C(=O)-proline
226 <400> SEQUENCE: 10
w/f 228 Xaa Leu Gly Leu Leu
229 1 5
231 <210> SEQ ID NO: 11
232 <211> LENGTH: 5
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial
236 <220> FEATURE:
237 <223> OTHER INFORMATION: no comment
239 <220> FEATURE:
240 <221> NAME/KEY: MOD_RES
241 <222> LOCATION: (1)..(1)
242 <223> OTHER INFORMATION: H₂NCH₂CH₂N(CH₂CH₂)₂NCH₂C(=O)-proline
245 <400> SEQUENCE: 11
w/f 247 Xaa Leu Gly Leu Leu
248 1 5
250 <210> SEQ ID NO: 12
251 <211> LENGTH: 5
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial
255 <220> FEATURE:
256 <223> OTHER INFORMATION: no comment
258 <220> FEATURE:
259 <221> NAME/KEY: MOD_RES
260 <222> LOCATION: (1)..(1)
261 <223> OTHER INFORMATION: AcHNCH₂CH₂N(CH₂CH₂)₂NCH₂C(=O)-proline
264 <400> SEQUENCE: 12
w/f 266 Xaa Leu Gly Leu Leu
267 1 5
269 <210> SEQ ID NO: 13
270 <211> LENGTH: 5
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial
274 <220> FEATURE:
275 <223> OTHER INFORMATION: no comment
277 <220> FEATURE:
278 <221> NAME/KEY: MOD_RES
279 <222> LOCATION: (1)..(1)
280 <223> OTHER INFORMATION: AcN(CH₂CH₂)₂NCH₂C(=O)-proline
283 <400> SEQUENCE: 13
w/f 285 Xaa Leu Gly Leu Leu

RAW SEQUENCE LISTING

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Input Set : A:\PTO.txt

Output Set: N:\CRF3\03302001\I808832.raw

286 1 5
288 <210> SEQ ID NO: 14
289 <211> LENGTH: 4
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial
293 <220> FEATURE:
294 <223> OTHER INFORMATION: no comment
296 <220> FEATURE:
297 <221> NAME/KEY: MOD_RES
298 <222> LOCATION: (4)..(4)
299 <223> OTHER INFORMATION: O-benzyl-serine
302 <400> SEQUENCE: 14
OK 304 Pro Leu Gly Xaa
305 1
307 <210> SEQ ID NO: 15
308 <211> LENGTH: 4
309 <212> TYPE: PRT
310 <213> ORGANISM: Artificial
312 <220> FEATURE:
313 <223> OTHER INFORMATION: no comment
315 <220> FEATURE:
316 <221> NAME/KEY: MOD_RES
317 <222> LOCATION: (1)..(1)
318 <223> OTHER INFORMATION: acetyl-proline
OK 321 <400> SEQUENCE: 15
OK 323 Xaa Leu Gly Leu
324 1
326 <210> SEQ ID NO: 16
327 <211> LENGTH: 5
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial
331 <220> FEATURE:
332 <223> OTHER INFORMATION: no comment
334 <220> FEATURE:
335 <221> NAME/KEY: MOD_RES
336 <222> LOCATION: (1)..(1)
337 <223> OTHER INFORMATION: acetyl-glycine
OK 340 <400> SEQUENCE: 16
OK 342 Xaa Pro Leu Gly Leu
343 1 5
345 <210> SEQ ID NO: 17
346 <211> LENGTH: 6
347 <212> TYPE: PRT
348 <213> ORGANISM: Artificial
350 <220> FEATURE:
351 <223> OTHER INFORMATION: no comment
353 <220> FEATURE:
354 <221> NAME/KEY: MOD_RES
355 <222> LOCATION: (1)..(1)

Please correct these errors
in subsequent sequences,
too.

FWI
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 03/30/2001

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TIME: 15:15:27

Input Set : A:\PTO.txt

Output Set: N:\CRF3\03302001\I808832.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5

L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6

L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7

L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11

L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12

L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17

L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18

L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19

L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21

L:516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22

L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24

L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25

L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26

L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27

L:666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28

L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29

L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30

L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31

L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32

L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33

L:804 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34

L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35

L:842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36

L:861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37

L:886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38

L:905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39

L:924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40

L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41

L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42

L:981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43

L:1000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44

L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45

L:1038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46

L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47

VERIFICATION SUMMARY

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Input Set : A:\PTO.txt

Output Set: N:\CRF3\03302001\I808832.raw

L:1076 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:1133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51